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YUMA, ARIZONA, THURSDAY, DECEMBER 16, 1909.

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11. Manuell, Monnoy, Pres. J. L. Ratiosho.

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PURST BAPTIST CHURCH-SERVICES on the fourth Sunday in each month at 530 p.m. Prayer meeting on Friday night of Each week. Engroe Keen, gustor in charge unday School every Sanday morether at it.

CATHOLIC CHURCH DIRECTORY: SUN-days, Mass at 9a m. Rosary and Bene-diction at 7p m. Week days, slaws at 7 a m. Christian doctring taught daily by the pastor-'n English at 8:30a m.: In Spanish at 2:30 p.m.

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TIMELY HINTS

A Lesson in Intensive Farming by R H. Forbes, Director and Chemist of Agricultural

Experiment Station

University of Arizona, January 15, 1907. Just west of Yums, Arisons, in the ellivial flood plate of the Colorado, lies a little farili of 7.2 heres which do May 1, 1985, was virgin bottomland, covered with saltweed, drowbrust and crossolp busies. The original purpose of the tradius for planting selected varieties of date paims imported by the U. 8. Department of Agriculture from the Old World. The Experiment station, May 2, began preparing the gasand, and on May 20 the work of levelling, bordering and Irrigating the tract and the planting of 152 pulms, was completed.

completed.

Recognizing, however, that a farmer with his living to make measure, cannot afford to wait for an orchard to come into bearing, it was planned to plant cope for quick returns between the tree-lows, thus putting the work on a feasible basis from the small farmer's point of view. In order to economize ground the irrigating borders were so placed as to coincide with the rows of paims, thus utilizing space otherwise usually wasted. The truet was divided by the borders into lands, for the most part one-half an acre in size. Irrigating water from the Colorado Valley P. & I. Canal was chtained in the customary manner, and E. L. Crane, himself a Yuna Valley farmer. Bloertook the care of what was nicknamed our "play farm."

In size, as well as in the intensive character of the work planned, this "farm" is the opposite of the average holdings of this locality. The prevailing cross of the region are affalfa, com, barley, and fornges in general, companitively little attention being given to vegetables and fruits. Withis!, the cost of levelling lead in this region is high, rarely falling below twenty dollars en acre at current prices for labor and teams. Moreover, the cost, exchained on the about \$5.50 an acre anomally for ten years. To meet these and other heavy items of expense in connection with the establishment of a farm in this region, intensive crops of a more remunerative character than those now in vogree, are essential. It was parily, therefore, as an other lesson bearing upon these financial aspects of the general situation, that this cultural work was planned.

RECLAMATION OF THE GROUND.

RECLAMATION OF THE GROUND.

The soil of our truct, a warm, sandy loam well adapted to gerdering operations, was leveled, ditched and bordered at a contract price of \$17.20 anware, don'siderably less than the average for the locality, beckoning the labor of men and leams at Current rates. In addition, barfed wire and posts for fearing cost \$23.51; lumber for headquites cost \$23.51; a differ well point and tibe, a Pitcher-spont pump and a barfet, \$13.45; a minall tumber two-from house, lichaing five and one half days exceptor birs, \$122.75; and a brash-roof shelter for horses, about \$5.00. Only skilled labor couployed in levelling, bordering and diching the ground, and for part construction of the boxes, is included in the above estimates, as the common labor required ordinarily would be, and in this case was, furnished by the farmer-himself.

To bring this ground under cultivation and make it habitable form small farmer and his family, as stated above, therefore required a cash outlay of about \$400.00. In addition, in the average instance must be included a team; wason, plow, harrow, haying edulpment shovels hows and other small tools. RECLAMATION OF THE GROUND.

CHOPS AND MARKETS.

CROPS AND MARKETS.

The crops effected for the season of lies were Early Rose pointoes, White Bermuda outons, Rockyford emilationes, Dwarf Champion and Europee's Quarter Century tomatoes, and aifedia, besides a few lills of watermelons and sundry vegetables.

The praduce was marketed in Yuma with the exception of tomatoes, which, for the largest part, were expressed to Tueson and Risbes. The following statements for the various craps are on the basis of met cash tenness in the small granter, who with no exercises. age family of five and a team of horses is assumed to do the work required, as explained below. Homs nebessitating cash onthay, as seed, irrigating water, and crates are deducted from gross returns. Water costs an average of 50 cents for irrigating water, and crates are deducted from gross returns. Water costs an average of 50 cents for irrigation per acro for the coops grown. The yields in fertain instances are low, due to the unimproved condition of the soil, which, the desert soils in ger, al, was low in hitrogen and organic matter. Some small salty areas also affected yields locally. Write Hermuda dilions, 47 acres; Seed plant & Sept. 27 left, 3, 1955, Young onloss fransplanted, Feb. 5-9, 1905. Crop matured about Jone 5. Tield, 3548 bounds of dry onloss Highest price received, 18c a pound. Entire trop marketed in Yuira.

Cash Cash ally of five and a team of horses is as

\$73.21

The amount of labor expended upon this crop was large for the area, especially at the transplanting time. One day's team work in preparing the land and about \$2\$ days, measthae, were required to bring it through, atthough the work was not heavy and could have been largely performed by boys. The yield was now owing to the desert and unfor filized obstracter of the soil, onions requiring large amounts of organic matter in the soil to give good results.

Early Rose polatoes; Si acres: Seed potators planted Feb. 10-10, 1966. Heginning to bloom April B. Crop all harvested June 18. Yield, 203 pounds. Highest price, May 24, 35c. Bulk of crop, 25c. All marketed in Yuma.

\$78,21

Cash

279 pounds seed-polatoes and outlay. returns freight on same \$ 8.08 Irrigating waterfor sesbania

The amount of labor required for the crop itself was shout 15 working days, with team 15 days. The seabania used as green manustry on the west half of the rotatio ground was given 17 irrigations. Bermuda grass, moreover, flourished seneral the sestanta to such an extent as subsequently to require 35 days labor for cleaning up the 15 acres soferialized. Although the larger part of the crop came from the sesbanta fertilized portion of the photoness. This method of carrielling the soil proved very costly, 37 days manus time smil 3 days team-work being required to put the sesbanta under and afterwards get rid of the Bernuda grass. Novertheless, the labor entailed could onely have been managed by a careful farmer, as the Bernuda digging was done is January when other work was not urgent. \$70.00 \$70.00

Towaters, Iwarf Champion and Burpee's Quarter Century: 32 acres: Seed planter in cold-frame, Feb. 1, 1888. Transplanted to field, March 19-15. First ripe tormatoes, June 18. Last of merketable crop, Sept. 8. Yield, first-class, 1128: pounds; second class, intable, 224 pounds; waste, most of which could have been canned, 1810 pounds. Total crop of 3330 vines, 15-41 pounds of 4.5 pounds, grows, to the vine. Highest force received 1956 for a single pound on June 19. Built of first-class crop sold during July in Tueson and Bisbee markets, at 1835 to 48cc f. o. b. Yuma. Second class crop sold locally down to 2c.

Cash #8 irrigations, % acre #8 crates for shipments to Tuccon and Bisice 1831 pounds of tomatoes at #2c to 2c Not cash returns, not de-ûncting iabor 65.50 \$621,00 551.83 \$624.60 \$624.60

\$1.25 per Word Inserts Classified ads in 36 leading papers in U.S. Send for list. The Dake Advertising Agency, 427 South Main St. Les Angeles, Cal.

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The "Con" Knew His Duty

The congregation of a certain is not "exclusive," but some of its members were surprised at the appointment of a new usher. They said that he might be a very good young man, but he had not belonged very long to the church, acd, besides, it seemed unliyely that a street car conductor would suit the eliquette of a house of worship. But the trustees said that he had been chosen for that very reason, adding: "We need a man of that kind to deal with the end seat hog. He is a greater nuisance in the church than in the cars. Early in the service he plants himself at the aisle of a free pow and later comers who are ushered into that pew fall all over him taking their places. It takes a man with grit to make him move along. This former conductor has the grit, and he has tact gained from experience. That is why we made him usher.' -Washington Herald.

The Go-Devil

Instead of employing hundreds of men with picks to dig up the streets for the purpose of resurfacing them, the city of Cincinnati now uses a 15,000 pound rake, which enjoys the gentle name of go-devil.

When dragged along by a steam roller it does the work of the laborers with their picks in about one fifth of the time and 50 per cent better. The big steel teeth dig into the street six inches deep and three feet wide and travel about twenty five feet a minute. It is estimated that the machine saves the work of hundreds of laborers and pays for itself in every two days' work .-Popular Machanics.

Prof. Charles A. Beard of Columbia University, when asked for his opinion on woman suffrage replied: "I think woman suffrage will come as a result of the increasing economic independence of woman, which will in turn sharpen her intellect, force upon her an interest in the social and economic conditions which are determining her own destiny in so great a measure, and, finally, give her that selfrespect and self-sufficiency which prevent her from being content with the alternate adoration and contempt of the opposite sex."

If you wish to succeed, do a little more than your assign d task and thus prove your ability to do more.

Of all- the dangers that beset woman none is so great as that of fancying herself in love when she really is not.

New Postoffices.

ty; Lagona, Yuma county; Lo- is in construction work. chiel, Santa Cruz county; Mocassin Mohave county; Polaris, Yuma county. The name of the postoffice at Wendendale has been changed to Wenden. A postoffice has been re established at Canyon Diablo. The following named postoffices have been discontinued; Jersey, Yavapai county; McDowell, Maricopa county; Peach Springs, Mohave county; Vekel, Pinal county.



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FOR S.D.& YE

Order Placed For 1000 Tons of Bridge Steel

[San Diego Sun.]

working hour?

George Holmes, purchasing operations. agent for the San Diego & Yuma railroad, is one San Diegan who locomotive firms of the cast to is getting rid of money at that supply another locomotive, which rapid rate.

that he puts in. Material for within ninety days. By that the construction of the road is time it will be needed in pushing The latest issue of the Postal of prime importance just now forward the construction of yards Guide shows that since the first and Purchasing Agent Holmes and side tracks between here and of July postoffices have been is head over heels into the de- Tia Juana." established at the following pla- tails of acquiring the best possices in Arizona; "Bellemont, Co- ble supplies. The building of a conino county; Crowley, Gila railroad through a mountainous county; Indian Oasis, Pima coun- country calls for the best there

Big Steel Order Placed

the canyons in Mexico," said timbers. ble-not later than April 1, 1910. be 41,000 feet of creesoted piling

for 20 steel flat cars at a cost of 000 feet of stringers and miscej-\$1200 to the car. Here is an ex- lancous material for use on penditure of \$24,000 at one jamp. bridges."

How would the average citizen | Every particle of these cars is to like to be in a position to spend be steel, and this makes the secmoney at the rate of \$600 each ond train to be ordered since the purchasing department began

"Bids have been asked of the is to be of the same style and During the last week Holmes capacity as the one received a said he has spent for the com- short time ago and now in dse, pany, in ordering supplied, an It is possible we may be able to average of \$600 for each hour have this locomotive delivered

Tunnel Work to Begin

It is evident that Robert Sherer & Sons, who are building the roudbed, are getting ready to commence tunnel operations southeast of Tia Juana, as among "I have just placed an order the orders placed by the purfor 1000 tons of steel girders to chasing department is one for be used for a bridge over one of 170,000 feet of redwood tunnel

Holmes yesterday. "The steel "Wherever there is possibility is to be supplied by a Pittsburg of dampness none but redwood sttel concern, and if I were to was used in tunnel or other road tell the cost of the product prob- construction," said Holmes. This ably be some readers of the pa- redwood is to be furnished by a per who would not believe me. timber concern in Mendocino This is to be a 510 foot span steel | county. Orders have been placed viaduct. It is the first encoun- with the same firm for an additered by the construction depart- tional 80,000 ties. A ship will ment since crossing the line into leave Eagle Harbor, Wash., De-Mexico. Delivery of the steel is cember 10 with 300,000 feet of to be made as speedily as possi- bridge timbers. In this lot will "Another order just placed is for trestle construction and 158,-

presence of a Sanday crowd is

The man who frantically opens | One good thing about having his letters in the postoffice in the poor relations is, it makes you not necessarily the basicst man feel so virtuous to give them wernout clothes you can't wear,